

**State Agencies' Action Plan Status Report  
for Fiscal Year 2000**

Action ID	Action Item Title	Lead Agency	FTE	Biennial Total	Tasks Planned for Fiscal Year 2000	Status
<b>HATCHERY MANAGEMENT TO MEET THE NEEDS OF WILD FISH</b>						
Hat-1	Complete comprehensive WDFW hatchery program evaluation	WDFW, Tribes	3	450,000	Conduct a comprehensive hatchery evaluation, including a cost-benefit analysis, for several WDFW hatcheries.	Evaluation is incorporated in HGMPs. The benefit-risk analyses are underway. (See Hat-7 for additional information)
					Develop recommendations for improvements in hatchery practices that affect native fish populations.	32 benefits & risk assessments for Puget Sound chinook programs were written in FY00.
					Develop and complete Hatchery and Genetic Management Plan (HGMP) for Puget Sound Chinook and Columbia River Steelhead to ensure compliance with ESA.	HGMPs are near completion for steelhead on the Columbia River. Chinook HGMPs for Puget Sound have been completed and submitted to NMFS. A review of juveniles and adult fish passage problems at hatchery facilities has been compiled.
Hat-2	Evaluate supplementation and stock recovery production programs	WDFW, Tribes	0	-	In conjunction with Hat-1 define policy, science and operational issues that need review.	Policy level discussions have occurred with tribal co-managers concerning comprehensive hatchery evaluations.
					Define appropriate processes (e.g. core teams necessary to complete review), and approaches with affected co-managers to participate in the review and decision-making.	A core team has been established and assessment tools developed.
Hat-3	Continue artificial production-related research, including post-release behavior and migration speed	WDFW	2	840,000	Carry out artificial production-related research.	Several grants have been secured with federal funding in relation to artificial production related research.
					Prepare and submit annual reports to the funding agencies.	Progress reports were submitted to the funding agencies.
					Share information collected through research projects.	The research projects are mostly cooperative projects with the tribes and NMFS.
					Use the research results to improve hatchery management.	Results are incorporated in the Hatchery and Genetic Management Plans. (See Hat-1 for additional information)

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Hat-4	Continue to mass mark fish	WDFW, Tribes	0	3,060,000	Continue to mass mark hatchery fish.	Currently, 32 million coho are marked annually. This represents nearly all of the coho production in the state. Exceptions are some volunteer co-op projects and Regional Fisheries Enhancement Group projects that account for approximately 1.0 million fish. Chinook mass marking continues to increase in numbers as agreements are reached with the various tribes in Puget Sound. This year 30 million chinook were marked.
					Coordinate and negotiate the mass marking project with tribes.	The FY00 figure of 30 million marked chinook will increase to 43 million chinook next year as agreements are finalized with Puget Sound and Hood Canal tribes. Looking into next biennium (FY01-03) WDFW anticipates marking an additional 11 million chinook annually on the coast. This will bring the WDFW close to 100% marking for coho and chinook.
Hat-5	Review artificial production in the Columbia Basin	NWPPC, WDFW	0.25	36,000	Carry out initial evaluation of all artificial production facilities in the Columbia Basin.	Performance standards for hatchery improvement are under development. The NWPPC's draft 2000 Fish and Wildlife Program calls for the formation of an artificial production committee to guide implementation of the Artificial Production Review report. Hatchery and Genetic Management Plans are being developed as part of the NWPPC's provincial review process (Columbia Gorge and Inter Mountain Provinces for FY01). Final evaluation process to determine the purposes of each facility is expected to take three years.
					Develop and begin implementation of improvements at each facility.	This will not begin until completion of the evaluation of artificial production facilities.
					Develop comprehensive sub-basin planning process.	The NWPPC's draft 2000 Fish and Wildlife Program outlines the process for submitting the adopting sub-basin plans. A sub-basin planning implementation team was created.
					Make recommendations to Bonneville Power Administration on annual funding.	Funding recommendations for improvements to artificial production facilities are pending for the evaluation process.

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Hat-6	Implement improved hatchery practices to protect wildstocks	WDFW, Tribes	0	1,795,000	Identify physical structures and operations at WDFW hatcheries and projects that create obstacles to or negative interaction with wild salmon.	A review of juvenile and adult fish passage problems at hatchery facilities has been compiled. The water effluent from each hatchery is being monitored to determine if water quality standards are being met.
					Work with volunteer groups that have been raising fish to renegotiate and update their fish rearing contracts.	This is part of the comprehensive WDFW Hatchery Program Evaluation. (See Hat-1 for additional information)
Hat-7	Support Hatchery Scientific Review Group (HSRG)	WDFW, Tribes	2	400,000	Support the newly created HSRG. Develop scientific framework for implementing hatchery reform and prepare and submit a report to congress on progress of the HSRG.	A WDFW scientist is a working member of the newly created HSRG (May 2000). The HSRG has developed a scientific framework for hatchery reform. It was sent out for independent review. A report was submitted to Congress.
Hat-8	Hatchery Production Programs to Comply with ESA	WDFW	19.6	2,711,525	Develop in consultation with the tribes, NMFS and USFWS captive brood programs that preserve the genetics of salmon species and assist with recovery of wild stocks.	<p>Currently 20 hatcheries are involved in restoration of listed salmon in specific watersheds. Spring and summer chinook salmon stocks which successfully met their objectives include: White River, Nooksack, and Skagit stocks. WDFW had success with the spring chinook captive brood on the Dungeness River.</p> <p>Started the evaluation of methods to restore listed summer chum salmon stocks in Hood Canal including fish stocks from Chimacum, Salmon, and Jimmycomelately creeks.</p> <p>In spring 2000, Lake Washington steelhead returned in very low numbers. Therefore, no eggs were taken. Rearing and release of the 1999 brood occurred as planned.</p> <p>Kokanee salmon in Lake Sammamish are being considered for recovery efforts. Special attention is being given to protecting spawning kokanee in Issaquah Creek. Consultations are being held with USFWS and King County.</p>
<b>Subtotal</b>			<b>26.85</b>	<b>9,292,525</b>		